ttorney Docket No.

FSUN-001/01US

PATENT

xpress Mail Label Number:

EV 525 579 156 US August 22, 2005

Date of Deposit:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

P. Bryant CHASE, et al.

Confirmation No.:

8210

Serial No.:

10/688,078

Group Art Unit:

1651

Filed:

October 17, 2003

Examiner:

Rosanne KOSSON.

For:

BIOMOLECULAR-BASED ACTUATOR

Mail Stop RCE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

- In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of [X] the IDS is required.
- \prod Please charge \$___ to Deposit Account No. (PA) 03-3117 (RE) 50-1283 for the total fee. This paper is being submitted in duplicate.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 03-311.

Dated: August 22, 2005

Respectfully submitted,

COOLEY GODWARD LLP

Cooley Godward LLP ATTN: Patent Group Five Palo Alto Square 3000 El Camino Real

Palo Alto, CA 94306-2155

Tel: (650) 843-5000 Fax: (650) 857-0663 By:

Cliff Z. Liu

Reg. No. 50,834

Attorney Docket No.

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §\$1.97 and 1.98.

[X]	Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
[]	No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No to which the above-identified application claims priority under 35 U.S.C. §120.
[]	No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98 because this application was filed after June 30, 2003.
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[]	Enclosed is a copy of a non-English publication(s) Pursuant to §609 of the M.P.E.P. Applicant submits the attached foreign search or

examination report, which cites such non-English language publication(s).

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[]	Enclosed is a copy of a non-English publication(s) English language publication (copy enclosed) claims priority from this non-English publication.						
[]	Enclosed is an explanation of non-English publication(s) for which an English translation is not available.						
[]	Enclosed is an English translation of non-English publication(s)cited in the attached Form PTO/SB/08A.						
[]	Enclosed is a copy of pending patent Application Serial No						
This Information Disclosure Statement is filed within any one of the following time periods:							
	[] within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);						
	[] within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;						
	[]	before the mailing date of a first office action on the merits; or					
	[X] before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.						
It is re	spectful	lly requested that the Examiner consider the above-noted					
information and return an initialed copy of the attached Form PTO/SB/08A to the							
undersigned.							
Dated: Augu	Dated: August 22, 2005 Respectfully submitted, COOLEY GODWARD LLP						
Cooley Godw ATTN: Patent Five Palo Alto 3000 El Cami Palo Alto, CA	Group Square no Real 94306						
Tel: (650) 843-5000 Fax: (650) 857-0663 Cliff Z. Liu Reg. No. 50,834							

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number Filing Date 17 October 2003 First Named Inventor
Group Art Unit P. Bryant Chase 1651 Examiner Name Roseanne KOSSON

Complete if Known

10/688,078

(use as many sheets as necessary)

Sheet of Attorney Docket Number FSUN-001/01US

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	T ²
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	1-
	Dl	BUNK, et al., Actomyosin motility on nanostructured surfaces. Biochem. Biophys. Res. Commun. 301:783-788 (2003)	
	D2	CHAEN, et al., Lower activation energy for sliding of F-actin on a less thermostable isoform of carp myosin, J Biochem (Tokyo) 120:788-791. (1996).	
	D3	CHASE, et al. Viscosity and solute dependence of F-actin translocation by rabbit skeletal heavy meromyosin. Am J Physiol Cell Physiol 278:C1088-C1098 (2000)	
	D4	CHOMCZYNSKI et al., Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. Anal. Biochem. 162:156-9 (1987)	
	D5	DONG, et al., Kinetic studies of calcium binding to the regulatory site of troponin C from cardiac muscle. J. Biol. Chem. 271:688-94 (1996).	
	D6	GORDON, et al. Calcium regulation of skeletal muscle thin filament motility in vitro. <i>Biophys. J.</i> 72:1295-1307 (1997)	
	D7	HESS et al., Molecular shuttles based on motor proteins: active transport in synthetic environments, J. Biotechnol. 82:67-85 (2001)	
	D8	HESS, et al, Light-Controlled Molecular Shuttles Made from Motor Proteins Carrying Cargo on Engineered Surfaces Nano Lett. 1:235-239 (2001)	
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	DII	KUNIOKA, et al., Innocuous labeling of the subfragment-2 region of skeletal muscle heavy meromyosin with a fluorescent polyacrylamide nanobead and visualization of individual heavy meromyosin molecules. <i>J Biochem (Tokyo)</i> 119:1024-32 (1996).	

Substitute for form 1449B/PTO INFORMATION DISCLOSURE			<u> </u>	Complete if Known		
			O	Application Number	10/688,078	
			ISCI OSIIRE	Filing Date	17 October 2003	
				First Named Inventor	P. Bryant Chase	
STATEMENT BY APPLICANT			APPLICANT	Group Art Unit	1651	
(use as many sheets as necessary)				Examiner Name	Roseanne KOSSON	
Sheet 2 of 2				Attorney Docket Number	FSUN-001/01US	
				ART – NON PATENT LITER		
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Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.